

FFID: CA917302353300
Size: 125,000 acres
Mission: Provide housing, training facilities, logistics support, and administrative support to Fleet Marine Force Units
HRS Score: 33.79; placed on NPL in November 1989
IAG Status: Federal facility agreement signed in October 1990
Contaminants: Pesticides, herbicides, heavy metals, PCBs, and VOCs
Media Affected: Groundwater and soil
Funding to Date: \$116.3 million
Estimated Cost to Completion (Completion Year): \$102.3 million (FY2035)
Final Remedy in Place or Response Complete Date for All Sites: FY2014
Five-Year Review Status: Planned



Restoration Background

Environmental contamination at Camp Pendleton Marine Corps Base resulted from maintenance of vehicles; equipment; and support facilities, such as gas stations, hospitals, laundries, pest control services, and hobby shops. Sites at the installation include landfills, surface impoundments, pesticide storage areas, fire training areas, vehicle maintenance areas, and underground storage tanks (USTs). The installation was placed on the National Priorities List (NPL) after the herbicide 2,4,5-TP (Silvex) was detected in two groundwater wells used for drinking water.

Of the 201 sites identified at the installation, 58 are CERCLA sites, 113 are RCRA sites, and 30 are UST program sites. The installation has completed remedial investigations and feasibility studies (RI/FSs) for 55 CERCLA sites and has completed interim removal actions at three sites. Three operable unit (OU) Records of Decision (RODs) have been signed. The installation formed a technical review committee and prepared a community relations plan (CRP) in FY92.

In FY96, the installation completed RIs for 21 sites and an FS for 13 sites and signed the final ROD for no further action at OU1. All parties to the federal facility agreement (FFA) signed the final ROD. The FFA project team identified five removal actions and closed six sites. The installation completed an engineering evaluation and cost analysis and an action memorandum for Site 7. It also initiated interim remedial actions (IRAs) for 3 sites, completed the initial site characterization of 25 UST sites, and prepared a corrective action plan (CAP) for 4 UST sites.

In FY97, RIs were completed at 34 sites and a ROD was signed for 13 sites. IRAs were completed at the pest control wash rack and scrap yard sites. The OU2 ROD was signed.

In FY98, the installation capped 5 acres of the Box Canyon landfill. A Phase II RI was completed for four sites, and an FS was completed for six sites. The installation received regulatory approval for a CAP for seven program sites and completed the remedial design (RD) and remedial actions (RAs) for seven UST sites.

In FY99, the installation signed the ROD for OU3, calling for consolidation of wastes from five subsites into the Site 7 Box Canyon landfill. RA for this effort began. The installation completed CAPs for three program sites, remediated eight sites, installed remediation systems at three sites, and conducted operations and maintenance (O&M) and long-term monitoring (LTM) at an additional seven sites. A remediation system was installed at UST sites in Areas 12 and 13. In Area 14, evaluation of six UST sites identified no need for cleanup of soil. A CAP was completed for one UST in Area 27 and one UST in Area 53. A remediation system was installed for USTs in Areas 13 and 43. The installation also applied for closure at approximately 40 sites in Area 62.

FY00 Restoration Progress

The installation completed O&M and LTM for 10 UST sites in Area 13, 20 UST sites in Area 22, 13 UST sites in Area 12, and UST sites at gas stations in Area 43 (including 13 Cleanup and Abatement Order 96-49 sites). RAs were completed at OU3. The installation applied for closure of 40 UST sites in Area 62, 4 UST sites in Area 24, 2 UST sites in Area 26, 1 UST site in Area 27, and 1 UST site in Area 53. Closure was achieved for seven UST sites in Areas 13, 15, and 16. The installation received approval for CAPs for eight UST sites.

The installation began a 5-year review of the OU1 ROD; a draft review was postponed until FY01. The planned CAP implementation and O&M at UST 14 were not accomplished because of the potential transfer of the site into the CERCLA program and the detection of volatile organic compounds (VOCs) in groundwater. The closure of the Box Canyon landfill precluded performance of the planned removal action at Site 30, and the FFA team collectively agreed to include Site 30 in OU4. The large number of comments received on the draft RI/FS for OU4 delayed planned work in this area. As part of the comment resolution process, the remaining Installation Restoration Program sites were restructured into OUs 4 and 5. The estimated cost of completing environmental restoration at this installation has changed significantly because of technical issues.

Plan of Action

- Construct evapotranspiration cover on Site 7 (Box Canyon landfill) in FY01
- Conduct supplemental FS for OU4 sites in FY01
- Conduct RI for OU5 sites in FY01
- Install remediation systems for 10 UST sites and the hospital in FY01
- Initiate LTM for OU3 (Site 7) and FS for OU4 in FY01
- Obtain closure of one UST in Area 61 and approval of five CAPs for USTs in Areas 14, 22, 26, 31, and 43 in FY01
- Update CRP in FY01
- Complete 5-year review as planned

FY01 FUNDING BY PHASE AND RELATIVE RISK

